

William P. Leonard

Washington Department of Transportation, Environmental Affairs Office,
PO Box 47331, Olympia WA 98504-7331

CURRENT EMPLOYMENT:

Environmental Biologist

Washington Department of Transportation, Environmental Affairs Office,
PO Box 47331, Olympia WA 98504-7331.

August 1999–Present.

Duties include policy development, legislation analysis, mitigation plan development and oversight related to regulatory requirements of Endangered Species Act, Clean Water Act, and Growth Management Act.

PREVIOUS EMPLOYMENT:

Wetlands Biologist

Washington State Department of Ecology, Shorelands and Environmental Assistance Program,
Southwest Regional Office, P.O. Box 47775, Olympia WA 98504-7775.

August 1989–August 1999.

Duties include providing technical assistance to the Department, other state agencies, and local governments on issues related to wetland protection and regulation, including the Shoreline Management Act, Growth Management Act, and Clean Water Act. Also responsible for assisting with development and implementation of critical area ordinances, reviewing wetland delineations, wetland reports and mitigation plans, and participating in regional wetland planning efforts.

Wildlife Biologist/Herpetologist

Department of Natural Resources, Washington Natural Heritage Program,
P.O. Box 47016, Olympia WA 98504-7016. February 1994–June 1997

Responsible for inventorying and measuring the relative abundance of amphibians and reptiles associated with terrestrial and aquatic habitats on both McChord Air Force Base and Fort Lewis Military Reservation, Pierce and Thurston counties, Washington and preparing written reports summarizing results of surveys.

EDUCATION:

- The Evergreen State College, BS 1987, Biological Sciences

Continuing Educational Coursework:

- Interagency Wetlands Identification & Delineation—Regulatory IV
- Hydric Soils, J. Herbert Huddleston instructor
- Advanced Wetland Plant Identification, Clayton Antieau instructor
- Amphibians of the North Cascades, Herbert Brown instructor
- Salmon Ecology of Western Washington, Jeff Cedarholm instructor

TEACHING EXPERIENCE:

- Interagency Wetlands Identification & Delineation—Regulatory IV (co-instructor).
- Amphibians and Reptiles of Washington State, Everett Community College (co-instructor).

- I have prepared and presented numerous workshops on wetland identification, wetland regulations, and wetland functions and values to local governments as a part of my job with the Department of Ecology.
- Photography for Biologists. One-day workshop at the 1999 annual meeting of the Society for Northwestern Vertebrate Biology, Ashland Oregon.
- Introduction to Nature Photography. City of Olympia Parks, Recreation & Cultural Services

PROFESSIONAL AFFILIATIONS/CERTIFICATIONS:

- Society for Northwestern Vertebrate Biology.—Trustee, 1996–98; Washington State vice-president, 2000–2001; managing editor of Northwest Fauna, 1997–present.
- Society of Wetlands Scientists.—Certified Professional Wetlands Scientist, 1996–1999.
- Society for the Study of Amphibians and Reptiles.—Member.
- Wildlife Diversity Council, Washington Dept. of Fish and Wildlife.—Member, 1999–present.

PUBLICATIONS:

- LEONARD WP, JORGENSEN K, OVASKA K, HALLOCK L. In Prep. Observations On The Reproduction, Development And Growth Of The Malone Jumping-Slug, *Hemphillia Malonei* Pilsbry, 1917 (Sylommatophora: Arionidae).
- LEONARD WP, BURKE TE. In Prep. Range Extensions For The Terrestrial Slugs *Gliabades Oregonia* And *Udosarx Lyrata* (Sylommatophora: Arionidae) In The Northern Rocky Mountains.
- LEONARD WP. In Review. Survey Of Terrestrial Gastropods Along Beauty Creek, Coeur' D' Alene County, Idaho. Submitted To: *Western North American Naturalist*.
- MOON BR, LEONARD WP. 2001. A Semi-Arboreal Nest Of The Shrew-Mole, *Neurotrichus Gibbsii*. *Northwestern Naturalist* 81(2).
- Leonard Wp. 2000. Oregon Spotted Frog, *Rana Pretiosa*. Amphibiaweb: <http://dnp.cs.berkeley.edu/aw/>
- Leonard WP. 2000. Columbia spotted frog, *Rana luteiventris*. AmphibiaWeb: <http://dnp.cs.berkeley.edu/aw/>
- BLAUSTEIN AR, HAYS JB, HOFFMAN PD, CHIVERS DP, KIESECKER JM, LEONARD WP, MARCO A, OLSON DH, REASER JK, ANTHONY RG. 1999. DNA repair and resistance to UV-B radiation in the western spotted frogs. *Ecological Applications* 3:1100–1105.
- LEONARD WP. 1999. Sharp-tailed snake: ophidian rarity or recluse? *Methow Naturalist* 4(2):10–11.
- LEONARD WP, MCALLISTER KR, FRIESZ RC. 1999. Survey and assessment of Northern Leopard Frog (*Rana pipiens*) populations in Washington. *Northwestern Naturalist* 80(2):51–60.
- LEONARD WP, STEBBINS RC. 1999. Observations of antipredator tactics of the sharp-tailed snake (*Contia tenuis*). *Northwestern Naturalist* 80(2):74–77.
- LEONARD WP, LEONARD MA. 1998. Occurrence of the sharptail snake (*Contia tenuis*) at Trout Lake, Klickitat County, Washington. *Northwestern Naturalist* 79:75–76.
- LEONARD WP, OVASKA K. 1998. *Contia* and *Contia tenuis*. *Catalogue of American Amphibians and Reptiles* 677:1–7.
- LEONARD WP, TODD LL, LEONARD MA. 1998. *Dicamptodon copei* (Cope's Giant Salamander). Distribution. *Herpetological Review* 29(4):244.
- ADAMS MA, RICHTER KO, LEONARD WP. 1997. Surveying and monitoring amphibians using aquatic funnel traps. *Northwest Fauna* 4:47–54.

- LEONARD WP. 1997. Review: *Frog and Toad Calls of the Pacific Coast: Vanishing Voices*. *Herpetological Review* 28(1):56.
- LEONARD WP, HALLOCK LA. 1997. Herpetofauna of South Puget Sound prairie landscape. Pp. 65–74. In Dunn PV and Ewing K, editors. Ecology and conservation of the south Puget Sound prairie landscape. Seattle, WA: The Nature Conservancy.
- LEONARD WP, HALLOCK LA, MCALLISTER KR. 1997. *Rana pretiosa* (Spotted Frog). Behavior and Reproduction. *Herpetological Review* 28(2):86.
- LEONARD WP, DARDA DM, MCALLISTER KR. 1997. Aggregations of sharptail snakes (*Contia tenuis*) on the east slope of the Cascade Range in Washington State. *Northwestern Naturalist* 77:47–49.
- LEONARD WP, MCALLISTER KR, HALLOCK LA. 1997. Autumn vocalizations by the red-legged frog (*Rana aurora*) and the Oregon spotted frog (*Rana pretiosa*). *Northwestern Naturalist* 78(2):73–74.
- OLSON DH, LEONARD WP. 1997. Amphibian inventory and monitoring: a standardized approach for the Pacific Northwest. *Northwest Fauna* 4:1–21.
- OLSON DH, LEONARD WP, BURY RB, editors. 1997. Sampling amphibians in lentic habitats: methods and approaches for the Pacific Northwest. *Northwest Fauna* 4. Olympia WA: Society for Northwestern Vertebrate Biology, i–x + 134 p.
- WEST L, LEONARD WP. 1997. *How to Photograph Reptiles and Amphibians*. Mechanicsburg PA: Stackpole Books, 117 p.
- LEONARD WP. 1996. *Plethodon vehiculum* (Western Red-backed Salamander). Habitat and Behavior. *Herpetological Review* 27(4):195.
- LEONARD WP, LEONARD NP. 1996. *Thamnophis sirtalis pickeringii* (Puget Sound Garter Snake). Foraging and Arboreality. *Herpetological Review* (27)2:84.
- LEONARD WP, LEONARD NP, STORM RM, PETZEL PE. 1996. *Rana pretiosa* (Spotted Frog). Behavior and Reproduction. *Herpetological Review* 27(4):195.
- LEONARD WP, DARDA DM. 1995. *Thamnophis ordinoides* (Northwestern Garter Snake), Distribution. *Herpetological Review* (26)2:110.
- LEONARD WP, DARDA DM. 1995. *Ambystoma tigrinum* (Tiger Salamander). Reproduction. *Herpetological Review* 26(1):29–30.
- STORM RM, LEONARD WP, editors. 1995. *Reptiles of Washington and Oregon*. Seattle WA: Seattle Audubon, i–viii + 176 p.
- LEONARD WP, DOHERTY D. 1994. *Dicamptodon tenebrosus* (Pacific Giant Salamander). Distribution. *Herpetological Review* 25(1):31.
- LEONARD WP, PHENIX E. 1994. *Pituophis melanoleucus catenifer* (Gopher Snake). Distribution. *Herpetological Review* 25(4):168.
- VISALLI D, LEONARD WP. 1994. *Ascaphus truei* (Tailed Frog). Distribution. *Herpetological Review* 25(1):31.
- LEONARD WP, BROWN HA, JONES LLC, MCALLISTER KR, STORM RM. 1993. *Amphibians of Washington and Oregon*. Seattle WA: Seattle Audubon Society, i–viii + 168 p.
- MCALLISTER KR, LEONARD WP, STORM RM. 1993. Spotted Frog (*Rana pretiosa*) surveys in the Puget Trough of Washington. *Northwestern Naturalist* 74:10–15.

TECHNICAL/ADMINISTRATIVE REPORTS:

Department of Fish and Wildlife. 35 p.

- NULL WS, SKINNER G, LEONARD WP. 2000. Wetland functions characterization tool for linear projects. Olympia WA: Environmental Affairs Office, Washington Department of Transportation.
- MCALLISTER KR, LEONARD WP, HAYS DW. 1999. Washington State Status Report for the Northern Leopard Frog (*Rana pipiens*). Olympia WA: Washington
- LEONARD WP. 1999. Amphibian habitat model. In: Stanley S and Hruby T, editors. Washington State Wetlands Function Assessment Project: Methods for Assessing Wetland Functions. Depressional Wetlands in the Columbia Basin. Olympia WA: Washington Department of Ecology.
- LEONARD WP. 1997. Oregon spotted Frog (*Rana pretiosa*) monitoring at Trout Lake Natural Area Preserve and vicinity, Klickitat Co., Washington. Olympia WA: Washington Natural Heritage Program, Department of Natural Resources. 22 p.
- HALLOCK LA, LEONARD WP. 1997. Herpetofauna of Fort Lewis Military Reservation, Pierce and Thurston counties, Washington. Olympia WA: Washington Natural Heritage Program, Department of Natural Resources. 63 p, + appendices.
- MCALLISTER KR, LEONARD WP. 1997. Washington state status report for the Oregon Spotted Frog (*Rana pretiosa*). Olympia WA: Wildlife Management Program, Washington Department of Fish and Wildlife. 31 p, + appendices.
- LEONARD WP, MCALLISTER KR. 1996. Past distribution and current status of the northern leopard frog (*Rana pipiens*) in Washington state. Olympia WA: Washington Department of Fish and Wildlife. 23 p.
- LEONARD WP. 1995. Survey of amphibians and reptiles at McChord Air Force Base, Pierce County, Washington. Olympia WA: Washington Natural Heritage Program, Department of Natural Resources. 40 p.
- MCALLISTER KR, LEONARD WP. 1993. Searches for spotted frogs (*Rana pretiosa*) and other amphibians on National Forest lands in Washington. Olympia WA: Washington Department of Wildlife. 47 p.
- MCALLISTER KR, LEONARD WP. 1991. The past distribution and current status of the spotted frog (*Rana pretiosa*) in western Washington: 1990 progress report. Olympia WA: Washington Department of Wildlife. 21 p.
- MCALLISTER KR, LEONARD WP. 1990. The past distribution and current status of the spotted frog (*Rana pretiosa*) in western Washington: 1989 progress report. Olympia WA: Washington Department of Wildlife. 16 p.

ORAL PRESENTATIONS:

2001. Observations on the courtship, reproduction and growth of the Malone jumping-slug (*Hemphillia malonei*) in south-central Washington. National conference of the Society of Wetlands Scientists, May 27-30, Chicago IL.
1997. Natural History and Apparent Decline of Western Toads (*Bufo boreas*) on Fort Lewis Military Reservation in Washington State. Joint meeting of the Society for Northwestern Vertebrate Biology and The Wildlife Society, March 26–29, Yakima, Washington.
1996. The Status of the Spotted Frog (*Rana pretiosa*) Complex in Washington State. Conference on Declining and Sensitive Amphibians in the Rocky Mountains and Pacific Northwest. 7–8 November 1996, Boise, Idaho.
1996. Field Techniques for Inventorying and Monitoring Pond-breeding Amphibians in the Pacific Northwest. Connections: Transportation, Wetlands and the Environment. Tacoma, Washington.
1995. Standard Methods for Inventorying and Monitoring Pond-breeding Amphibians in the Pacific Northwest. The Wildlife Society—National meeting, September 1995, Portland, Oregon.

1995. Amphibian and Reptile Inventory at McChord Air Force Base, Pierce County, Washington. Annual meeting of the Society for Northwestern Vertebrate Biology, Orcas Island, Washington.
1994. Long-toed salamander (*Ambystoma macrodactylum*) demographics at a small seasonal wetland in the Puget Trough of western Washington. Joint meeting of the Society for Northwestern Vertebrate Biology, The Wildlife Society, and The Northwest Scientific Association, Ellensburg, Washington.
1994. Long-toed salamander (*Ambystoma macrodactylum*) breeding habitat at a small seasonal wetland in the Puget Trough of western Washington. National meeting of the Society of Wetland Scientists, Portland, Oregon.
1993. Amphibians of the Pacific Northwest. Annual meeting of the Society of Wetlands Scientists–Pacific Northwest Chapter, Hood River, Oregon.
1992. The Past Distribution and Current status of the Spotted Frog (*Rana pretiosa*) in Western Washington. Joint meeting of the Northwest Scientific Association and the Society for Northwestern Vertebrate Biology, Bellingham, Washington.